

CLAIMS

What is claimed is:

1. An apparatus to prevent tampering into an electrical device container in which a power circuit is at least partially enclosed, the apparatus comprising:

a housing having a first end that is adapted to be positioned adjacent to said power circuit, and a second end that is adapted to be coupled to said container; and

an electrical switch adapted to be coupled to said power circuit and having a main body portion that is secured within said housing and extends substantially from said first end to said second end.

2. The apparatus according to claim 1, wherein said electrical switch includes terminals coupled to said main body portion and extending outside of said housing for coupling with said power circuit.

3. The apparatus according to claim 2, wherein said terminals bend outside of said housing first end to engage with said power circuit with a spring force.

4. The apparatus according to claim 1, wherein said main body consists of a substantially U-shaped structure that enters and exits said housing at said first end and turns approximately 180° adjacent to said second end.

5. The apparatus according to claim 4, wherein said housing includes a substantially U-shaped slot slidably receiving said electrical switch and securing said electrical switch therein.

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6. The apparatus according to claim 1, wherein said housing includes a slot to slidingly receive said electrical switch and secure said electrical switch therein.
7. The apparatus according to claim 6, wherein said main body portion includes at least one flange that protrudes against said slot to secure said electrical switch therein.
8. The apparatus according to claim 7, wherein said housing second end comprises a groove for direct engagement with said container.
9. The apparatus to claim 8, wherein said housing second end further comprises a lip that is continuous with said groove for direct engagement with said container.
10. The apparatus according to claim 8, wherein said housing second end further comprises a square edged body that is disposed within said groove for direct engagement with said container.

11. A tamper resistant electrical device, comprising:

a container;

a substrate disposed inside said container;

a power circuit formed on said substrate; and

an apparatus to prevent tampering into said container, comprising:

a housing having a first end positioned adjacent to said power circuit,  
and a second end that is coupled to said container, and

an electrical switch coupled to said power circuit and having a main  
body portion that is secured within said housing and extends  
substantially from said first end to said second end.

12. The device according to claim 11, wherein said electrical switch includes terminals  
extending outside of said housing and coupling said main body portion to said power  
circuit.

13. The device according to claim 12, wherein said terminals bend outside of said  
housing first end and engage with said power circuit with a spring force.

14. The device according to claim 11, wherein said main body consists of a  
substantially U-shaped structure that enters and exits said housing at said first end and  
turns approximately 180° adjacent to said second end.

15. The device according to claim 14, wherein said housing includes a substantially U-  
shaped slot slidingly receiving said electrical switch and securing said electrical switch  
therein.

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16. The device according to claim 11, wherein said housing includes a slot slidingly receiving said electrical switch and securing said electrical switch therein.
17. The device according to claim 16, wherein said main body portion includes at least one flange that protrudes against said slot to secure said electrical switch therein.
18. The device according to claim 17, wherein said housing second end comprises a groove directly engaged with said container.
19. The device to claim 18, wherein said housing second end further comprises a lip that is continuous with said groove and is also directly engaged with said container in a manner whereby opening said container causes said housing to be pulled through said skirt opening by said lip.
20. The device according to claim 18, wherein said housing second end further comprises a square edged body that is disposed within said groove and is also directly engaged with said container.
21. The device according to claim 11, wherein said substrate comprises power circuit contacts that are coupled to said electrical switch.
22. The device according to claim 21, wherein said substrate further comprises a ground material formed on said substrate and defining a mounting area that includes said power circuit contacts.

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23. An apparatus to prevent tampering into an electrical device container in which a power circuit is at least partially enclosed, the apparatus comprising:

a housing having a first end that comprises a conductive material and is adapted to be coupled to said power circuit, and a second end that is adapted to be coupled to said container.

24. An apparatus according to claim 23, wherein said conductive material extends from said first end proximate to said second end.